

=====

Sequence Listing was accepted.

If you need help call the Patent Electronic Business Center at (866)  
217-9197 (toll free).

Reviewer: Durreshwar Anjum

Timestamp: [year=2009; month=6; day=26; hr=14; min=29; sec=42; ms=169; ]

=====

Application No: 10563195 Version No: 2.0

Input Set:

Output Set:

Started: 2009-06-18 12:48:46.425  
Finished: 2009-06-18 12:48:47.830  
Elapsed: 0 hr(s) 0 min(s) 1 sec(s) 405 ms  
Total Warnings: 15  
Total Errors: 0  
No. of SeqIDs Defined: 15  
Actual SeqID Count: 15

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (1)
W 213	Artificial or Unknown found in <213> in SEQ ID (2)
W 213	Artificial or Unknown found in <213> in SEQ ID (3)
W 213	Artificial or Unknown found in <213> in SEQ ID (4)
W 213	Artificial or Unknown found in <213> in SEQ ID (5)
W 213	Artificial or Unknown found in <213> in SEQ ID (6)
W 213	Artificial or Unknown found in <213> in SEQ ID (7)
W 213	Artificial or Unknown found in <213> in SEQ ID (8)
W 213	Artificial or Unknown found in <213> in SEQ ID (9)
W 213	Artificial or Unknown found in <213> in SEQ ID (10)
W 213	Artificial or Unknown found in <213> in SEQ ID (11)
W 213	Artificial or Unknown found in <213> in SEQ ID (12)
W 213	Artificial or Unknown found in <213> in SEQ ID (13)
W 213	Artificial or Unknown found in <213> in SEQ ID (14)
W 213	Artificial or Unknown found in <213> in SEQ ID (15)

# SEQUENCE LISTING

<110> TODD, ALISON VELYIAN  
FUERY, CAROLINE JANE  
APPLEGATE, TANYA LYNN

<120> METHOD FOR DETECTION OF ALKYLATED CYTOSINE IN DNA

<130> 22238.0004

<140> 10563195

<141> 2009-06-18

<150> PCT/AU04/00900

<151> 2004-07-05

<150> 60/491,995

<151> 2003-08-04

<150> AU 2003903430

<151> 2003-07-04

<160> 15

<170> PatentIn version 3.5

<210> 1

<211> 80

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Ecad80  
oligonucleotide

<400> 1

cgctgctgat tggctgtggc cggcaggtga accctcagcc aatcagcggc acggggggcg 60

gtgctccggg gctcacctgg 80

<210> 2

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic AA1  
oligonucleotide

<400> 2

tgttttgggt gtgtatggtt tgggtgt 27

<210> 3

<211> 27

<212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> Description of Artificial Sequence: Synthetic AA2  
         oligonucleotide  
  
 <400> 3  
 acaccctaac catacacacc caaaaca 27  
  
  
 <210> 4  
 <211> 80  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> Description of Artificial Sequence: Synthetic Ecad80M3  
         oligonucleotide  
  
  
 <220>  
 <221> modified\_base  
 <222> (21)..(21)  
 <223> 5'-methylcytosine  
  
 <220>  
 <221> modified\_base  
 <222> (47)..(47)  
 <223> 5'-methylcytosine  
  
 <220>  
 <221> modified\_base  
 <222> (52)..(52)  
 <223> 5'-methylcytosine  
  
 <400> 4  
 cgctgctgat tggctgtggc cggcaggtga accctcagcc aatcagcggg acggggggcg 60  
  
 gtgctccggg gctcacctgg 80  
  
  
 <210> 5  
 <211> 36  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> Description of Artificial Sequence: Synthetic T1  
         oligonucleotide  
  
 <400> 5  
 attatattta aatatataaa atatatatta ataaat 36  
  
  
 <210> 6  
 <211> 36

<212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> Description of Artificial Sequence: Synthetic T1  
 oligonucleotide  
  
 <400> 6  
 atttattaat atatatttta tatatttaaa tataat 36  
  
  
 <210> 7  
 <211> 80  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> Description of Artificial Sequence: Synthetic antisense  
 Ecad80 (ASEcad80) oligonucleotide  
  
 <400> 7  
 ccaggtgagc cccggagcac cgccccccgt accgctgatt ggctgagggt tcacctgccg 60  
  
 gccacagcca atcagcagcg 80  
  
  
 <210> 8  
 <211> 22  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> Description of Artificial Sequence: Synthetic LP10  
 looping probe  
  
 <400> 8  
 cgaccgcccc gattggctga gg 22  
  
  
 <210> 9  
 <211> 23  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> Description of Artificial Sequence: Synthetic LP26  
 looping probe  
  
 <400> 9  
 gccccggagc gaggggttcac ctg 23  
  
  
 <210> 10  
 <211> 24  
 <212> DNA  
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic LP26+1  
looping probe

<400> 10  
gccccgggagc ggaggggttca cctg 24

<210> 11  
<211> 26  
<212> DNA  
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic AS26  
antisense oligonucleotide

<400> 11  
agccaatcag cggtacgggg ggcggt 26

<210> 12  
<211> 18  
<212> DNA  
<213> Artificial Sequence

<220>

<223> Description of Combined DNA/RNA Molecule: Synthetic substrate

<220>

<223> Description of Artificial Sequence: Synthetic substrate

<220>

<221> modified\_base  
<222> (6)..(6)  
<223> c or u

<400> 12  
cggtangggg ggcggtgg 18

<210> 13  
<211> 9  
<212> DNA  
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic primer

<400> 13  
ccaccgccc 9

<210> 14  
<211> 4  
<212> DNA

<213> Unknown

<220>

<223> Description of Unknown: Hot-spot sequence synthesized or from  
Homo sapiens

<400> 14

rgyw

4

<210> 15

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic 3ECAD11b primer

<400> 15

agccccggag caccgccc

18